CONCRETE BLOCK PORTFOLIO A RANGE OF CONCRETE BLOCKS FOR THE COMMERCIAL AND HOUSING MARKETS

MASTERBLCK









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SOLVING YOUR GONGRETE BEOIR

With Masterblock, you're always within easy reach of a wide range of the highest quality and performance concrete blocks. For all types of building projects, Masterblock is perfectly positioned to supply your demand. We work flexibly across any location, making our products readily available, wherever you are.

COMPREHENSIVE PRODUCT RANGE

MASTERDENZ ECO MASTERLITE PRO ECO

Reduced $\rm CO_2$ concrete building blocks

- Produced using 30% less embodied CO₂ than the Standard
- Contains a minimum of 20% non-primary materials
- Available in Standard and Paintgrade finish

MASTERLITE PRO ACOUSTIC Noise-cancelling concrete building blocks

- Noise-cancelling concrete building blocks
- Developed for use in public sector buildings that require high acoustic performance
- Meets acoustic requirement of BB93 for schools
- Close textured Paintgrade unit

MASTERDENZ FAIRFACED AND MASTERLITE PRO FAIRFACED

- No decor needed concrete building blocks
- An economical solution to undecorated masonry walls
- High degree of colour consistency and natural colour
- Close textured finish

MASTERLITE PRO PAINTGRADE MASTERDENZ PAINTGRADE

Paint ready concrete building blocks

- Paint directly onto the blocks with no prep
- No need for plasterboard, rendering or dry-lining
- Saves time and cost on-site

MASTERLITE PRO

Lightweight concrete building blocks

- Easier manual handling
- Greater thermal efficiency than a Standard dense block

MASTERLITE ULTRA

- Lightweight concrete building blocks
- Easier manual handling
- Density: 850 kg/m²

MASTERDENZ

High strength concrete building blocks

- Available in strengths from 7.3N/mm² 22.5N/mm²
- Various uses including internal and external walls
- Available in Standard, Fairfaced and Paintgrade finishes

COURSING BRICKS

High strength coursing units

- Complimenting our concrete block range
- Eliminates cutting onsite
- Available as both dense and lightweight blocks

OUR SECTORS

HOUSEBUILDING

Masterblock is the trusted choice of housing developers for all types of housebuilding, including executive homes, high-density flats or apartments, social housing and self-builds. They are also used extensively in renovation, extensions and alterations, thanks to the flexibility in the range and availability for any location.

The products are designed to offer solutions to the latest Building Regulations such as Part E (Resistance to the Passage of Sound) and Part L (Conservation of Fuel and Power).

COMMERCIAL BUILDINGS

Masterblock is no stranger to being specified for many prestigious building projects, including sports and leisure centres, supermarkets, retail parks, hospitals, schools and colleges. On these types of projects we ensure that any challenges posed by the Building Regulations are developed and reviewed as the legislation evolves.

QUALITY & PERFORMANCE STANDARDS

Masterblock ensures that every block delivers the highest standard and performance, with full certification of quality and sustainability.

Being part of Holcim, Aggregate Industries ensures that all Masterblock products are certified to BS EN ISO 9001:2008 and BS EN ISO 14001 quality standards. As well as certified as coming from a Responsible Source, to the requirements of BES6001. We know this is crucial factor for schemes seeking high ratings under the Code for Sustainable Homes guidelines or BREEAM rated developments.

RESEARCH & DEVELOPMENT

Choosing Masterblock also means you are backed by Aggregate Industries. With this comes unrivalled access to the highest quality raw materials, concrete technology, research and contractor best practice. To keep up with an evolving industry and world, there is also a continuous development of new, innovative building products, for example our sustainable Masterblock Eco range.

GET THE FULL PICTURE **OF YOUR** CARBON OUTPUT

Make your commitment to sustainability more robust with an in depth and accurate Carbon Impact Report. We've created the 1st carbon reporting tool of its kind which gives you accurate carbon data from across our business areas. With a dedicated eye on sustainability for every project, every report provides robust information with flexibility to interrogate carbon data from 'cradle to site'. Giving you the full picture to identify where carbon savings can be made in the future. And we'll work together to support further opportunities to lower the carbon footprint of any project.

Get peace of mind and a guarantee that every report is backed by sustainability experts. Every report is audited and certified by our external sustainability consultancy, Circular Ecology.



REQUEST YOUR FREE CARBON REPORT TODAY AGGREGATE.COM/ CARBONREPORT

CARBON REDUCTION IS ONLY A MASTERBLOCK AWAY WITH MASTERDENZ ECO

STRENGTH IN SUSTAINABILITY IS ONLY A MASTERBLOCK AWAY WITH MASTERLITE PRO ECO Masterdenz Eco makes it easy to build with more sustainable materials. This carbon-reduced concrete block is made with a minimum 30% less embodied CO_2^{\dagger} and 20% recycled content.

- Raw materials used are specifically selected for their environmental performance and suitable for use in either internal or external walls
- Available in Standard and Paintgrade finishes, offering total flexibility
- The products comply with all European and UK technical standards

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	26.6
/mm²	7.3 N/mm ²
al	Natural
lard, Paintgrade	Standard, Paintgrade
al 1.06	Internal 1.06
nal 1.14	External 1.14
	/mm² ral dard, Paintgrade ral 1.06 nal 1.14

* Based on 3% moisture content

An environmentally friendlier range of made to order, lightweight, high strength, robust, load bearing units. This carbon reduced concrete block is made with a minimum 30% less embodied CO_2^{\dagger} and 20% recycled content.

- Available in Standard and Paintgrade finishes, offering total flexibility
- Environmentally engineered to meet the demands of today's society
- For use internally and externally

Size (mm)	440x215	440x215
Thickness (mm)	100	140
Density (kg/m³)	1450	1450
Weight (kg)*	14.13	19.78
Strength	7.3 N/mm ²	7.3 N/mm ²
Colour available	Natural	Natural
Finish	Standard, Paintgrade	Standard, Paintgrade
Thermal conductivity	Internal 0.57	Internal 0.57
(W/mK)	External 0.61	External 0.61

* Based on 3% moisture content

[†] Compared to our Jan 2020



NOISE CONTROL IS ONLY A MASTERBLOCK AWAY WITH MASTERLITE PRO ACOUSTIC

Masterlite Pro Acoustic makes it easy to meet the acoustic requirements of your build. This concrete block is developed to meet schools' BB93 acoustic requirements. Perfect for use in schools and other public sector buildings that require high acoustic requirements.

- Excellent sound reduction block to meet the acoustic requirements of BB93
- Masterlite Pro Acoustic has low air permeability ensuring good sound reduction values, as well as thermal performance
- Provides the sound reduction that normally requires a block to be plastered, saving cost and time
- Reaction to fire is best in class, giving 4 hours resistance to non-load bearing structures (taken from EC6), while also complying with BB100
- Consistent close textured face makes Masterlite Pro Acoustic ideal for direct decoration (note: only one face and one end guaranteed)
- Rw values of 45dB for 100mm solid blocks and 50dB for 140mm solid blocks, can be achieved with mist coat and two top coats of emulsion on source side
- Good background for heavy duty fixings
- Available in solid format for both 100mm and 140mm width, with 7.3N/mm² and 10.4N/mm² strengths
- Assists with manual handling requirements with weights less than 20kg

Size (mm)	440x215	440x215	
Thickness (mm)	100	140	
Density (kg/m³)	1450	1450	
Weight (kg)*	14.13	19.78	
Strength	7.3-10.3 N/mm ²	7.3-10.4 N/mm ²	
Colour available	Natural	Natural	
Finish	Paintgrade	Paintgrade	
Thermal conductivity (W/mK)	Internal 0.57 External 0.61	Internal 0.57 External 0.61	
* Based on 3% moisture content			

Please refer to our technical data sheets for specific product characteristics.

COMPLETE FLEXIBILITY IS ONLY A MASTERBLOCK AWAY WITH MASTERLITE PRO

EASIER LIFTING IS ONLY A MASTERBLOCK AWAY WITH MASTERLITE

Masterlite Ultra makes it easier to manually lift concrete blocks. A low weight block designed for thermal efficiency, this concrete block is a lightweight solution to support the manual laying of blocks on site.

Masterlite Pro is a range of high strength, robust, load bearing units for use in either internal or external walls.

- Available in solid format with various strengths including 3.6 N/mm², 7.3 N/mm² and 10.4 N/mm²
- Masterlite Pro blocks are available in Standard and Paintgrade finishes for various applications and total flexibility. See page 11 for Paintgrade
- For use internally and externally, both above and below dpc (7.3 and 10.4N/mm² only)

Size (mm)	440x215	440x215	275x140 (Trenchblock)
Thickness (mm)	100	140	300
Density (kg/m ³)	1450	1450	1450
Weight (kg)*	14.13	19.78	17.58
Strength	3.6 - 10.4N/mm ²	7.3-10.4N/mm ²	7.3N/mm ²
Colour available	Natural	Natural	Natural
Finish	Standard, Paintgrade	Standard, Paintgrade	Standard, Paintgrade
Thermal conductivity (W/mK)	Internal 0.57 External 0.61	Internal 0.57 External 0.61	External 0.61

* Based on 3% moisture content

Please refer to our technical data sheets for specific product characteristics.

- Great Thermal Conductivity values

- Lightweight, robust, load bearing units that can give 4 hours fire resistance to non-load bearing structures
- Provides an excellent key for plastering and rendering and an excellent background for fixings
- Masterlite Ultra was developed specifically to be used as a one handed lift
- Available as solid format in 100mm width with a standard strength of 3.6N/mm²
- 850kg/m³ dry density
- Applications include internal skin cavity walls, load bearing or nonload bearing

Size (mm)	440 x 215
Thickness (mm)	100
Density (kg/m³)	850
Weight (kg)*	8.28
Strength	3.6N/mm ²
Colour available	Natural
Finish	Standard
Thermal conductivity (W/mK)	Internal 0.23 External 0.25
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* Based on 3% moisture content

Please refer to our technical data sheets for specific product characteristics.

NO EXTERIOR FINISHING IS ONLY A MASTERBLOCK AWAY WITH MASTERBLOCK FAIRFACED

MASTERDENZ

Size (mm)	440x215	440 x 215	440 x 215	440 x 215
Thickness (mm)	100	140	140 Holl	215 Holl
Density (kg/m³)	1900 (Dense)	1900	1900	1900
Weight (kg)*	18.51	25.92	19.8	25.1
Strength	7.3N/mm ²	7.3N/mm ²	7.3N/mm ²	7.3N/mm ²
Colour available	Buff	Buff	Buff	Buff
Finish	Fairfaced	Fairfaced	Fairfaced	Fairfaced
Thermal conductivity	Internal 1.01	Internal 1.01	Internal 1.01	Internal 1.01
(W/mK)	External 1.08	External 1.08	External 1.08	External 1.08

* Based on 3% moisture content

Please refer to our technical data sheets for specific product characteristics.

Masterblock Fairfaced makes it easy to complete projects without any need for exterior finishing. This concrete block is designed with a close textured finish with natural and consistent colour, available in both buff and grey. Available in both Masterdenz and Masterlite Pro for versatility.

- Available in solid and hollow format for ultimate versatility
- High strength blocks are available subject to order to your specification
- Manufactured from carefully selected aggregates to give both a close texture and a consistent colour
- Masterblock's quality assured manufacturer provides a one face and one end guarantee
- For use internally and externally (solid, dense units only) both above and below dpc. Lightweight units should only be used internally
- Available as a Buff or Grey Unit

MASTERLITE PRO

Size (mm)	440 x 215	440 x 215	
Thickness (mm)	100	140	
Density (kg/m³)	1450	1450	
Weight (kg)*	14.13	19.78	
Strength	7.3-10.4N/mm ²	7.3-10.4N/mm ²	
Colour available	Grey	Grey	
Finish	Fairfaced	Fairfaced	
Thermal conductivity	Internal 0.57	Internal 0.57	
(W/mK)	External 0.61	External 0.61	
* Based on 3% moisture content			

IDEAL FOR COMMERCIAL DEVELOPMENTS

OFFICE BUILDINGS

UNIVERSITIES AND SCHOOLS



PAINTGRADE FINISH IS AVAILABLE FOR BOTH MASTERDENZ & MASTERLITE PRO



MASTERDENZ

Size (mm)	440x215	440x215	290x215
Thickness (mm)	140	140	140
Density (kg/m³)	1960	1960	1960
Weight (kg)*	19.10	26.74	17.62
Strength	7.3 - 10.4N/mm ²	7.3 - 10.4N/mm ²	7.3 - 10.4N/mm ²
Colour available	Natural	Natural	Natural
Finish	Paintgrade	Paintgrade	Paintgrade
Thermal conductivity (W/mK)	Internal 1.08 External 1.15	Please see data	asheet

* Based on 3% moisture content

Suitable for Classification to EN 13501-1 A1 locations where a consistent close textured face is required, suitable for direct decoration (note only one face and one end guaranteed). Available in 7.3N/mm² and 10.4N/mm².



Masterblock Paintgrade makes it easier and more cost-effective to apply paint directly to your block. This concrete block doesn't need any prep, plasterboard, rendering or drylining. Available in both Masterdenz and Masterlite Pro.

- Suitable for direct decoration with masonry paints
- Manufactured to give a consistent quality finish requiring minimal maintenance
- Saves time and cost onsite against that of a Standard finish block that requires plastering, rendering or drylining
- Paint Grade finish gives a good low air permeability
- Like our Fairfaced range, Masterblock Paint Grade is widely used in large commercial and industrial applications including:
- Commercial Developments
- Leisure Complexes
- Office Buildings
- Universities and Schools
- Sports Stadia
- Factory units

MASTERLITE PRO

Size (mm)	440x215	440x215
Thickness (mm)	100	140
Density (kg/m³)	1450	1450
Weight (kg)*	14.13	19.78
Strength	7.3-10.4 N/mm ²	7.3-10.4 N/mm ²
Colour available	Natural	Natural
Finish	Paintgrade	Paintgrade
Thermal conductivity	Internal 0.57	Internal 0.57
(W/mK)	External 0.61	External 0.61
Colour available Finish Thermal conductivity	Paintgrade Internal 0.57 External 0.61	Paintgrade Internal 0.57

* Based on 3% moisture content



THE PERFECT DENSITY IS ONLY A MASTERBLOCK AWAY WITH MASTERDENZ

Masterdenz is a high strength, dense, robust, load bearing unit for use in internal or external walls in a variety of sizes, strengths and finishes offering total flexibility.

- Available in solid and hollow format for ultimate versatility with a standard strength of 7.3N/mm²
- Masterdenz blocks are available in Standard, Paintgrade and Fairfaced finshes for various applications. See page 11 for Paintgrade and page 10 for Fairfaced.
- High strength blocks up to 30N/mm² are available subject to order to your specification
- For use internally and externally both above and below dpc

ADJUSTING YOUR COURSE IS ONLY A MASTERBLOCK AWAY WITH COURSING BRICKS

Size (mm)	215x65	215x65	215x65	215x65			
Thickness (mm)	100 Lightweight	140 Lightweight	100 Dense	140 Dense			
Density (kg/m³)	1550	1550	2100	2100			
Weight (kg)*	2.3	3.2	3.1	4.1			
Units/m² (approx)	59.3	59.3	59.3	59.3			
No. per pack	320, 384, 512 dependant upon supplying plant and whether void pack, contact sales office for details						
Pack weight (T)	1.025, 1.38, contact sales office for details						
Colour	Natural	Natural	Natural	Natural			
Finish	Standard	Standard	Standard	Standard			
Strength	10.4N/mm ²	10.4N/mm ²	22.5N/mm ²	22.5N/mm ²			
* Based on 3% moisture content							

Please refer to our technical data sheets for specific product characteristics

Size (mm)	440x215	440x215	290x215	440x215	440x215	440x215		
Thickness (mm)	100	140	140	190	215	215 Holl		
Density (kg/m ³)	1960	1960	1960	1960	1960	1960		
Weight (kg)*	19.10	26.74	17.62	36.29	41.6	25.1		
Strength	7.3N/mm ²							
Colour available	Natural	Natural	Natural	Natural	Natural	Natural		
Finish	Standard	Standard	Standard	Standard	Standard	Standard		
Thermal conductivity (W/mK)	Internal 1.08 External 1.15							
* Based on 3% moisture content								

Please refer to our technical data sheets for specific product characteristics

FOR ALL ENQUIRIES PLEASE CALL 01285 646900

A range of high strength, dense and lightweight coursing units to complement our concrete block range.

- Either solid or frogged units
- Available in both 100mm and 140mm width
- Suitable for 65mm and 140mm coursing height
- Eliminates cutting onsite
- Dense units are suitable for use above and below dpc internally and externally
- Lightweight units are suitable for use on internal leaves above dpc
- Suitable for locations where the surface will not be seen i.e. plastered or rendered

AGGREGATE **INDUSTRIES IS ONE OF** THE LEADING BUILDING MATERIALS **SUPPLIERS.**

Our aim is to be the UK leader in innovative and sustainable building solutions. We are committed to grounding sustainability in the future of the construction industry.

BUILDING PROGRESS FOR A SUSTAINABLE FUTURE

We are transforming our business and driving our growth through sustainable thinking. We are dedicated to decarbonising our own operations and driving decarbonisation across the sector, as well as playing a significant role in enabling the UK to transition to net zero.

OUR PEOPLE

Our people are at the very heart of our business. It's in how our people build strong partnerships through a shared commitment to sustainability that drives business growth.

OUR CAPABILITIES

With over 200 sites and around 3,700 dedicated employees, we offer a full range of construction products to help our partners work sustainably, safely, professionally and profitably.

We're a proud member of Holcim, which is the leading global building materials and solutions company with around 70,000 employees in over 80 countries. It holds leading positions in all regions with a balanced portfolio of developing and mature markets.

CONCRETE PRODUCTS THAT HELP YOU PROGRESS ANY PROJECT

With Aggregate Industries, you get access to some of the UK's most innovative and sustainably focused concrete products on the market. Plus, with nationwide coverage and availability, you're only ever a click, phone call or email away from getting everything you need.

We've built our concrete product range to deliver to the many different specifications and project needs of our customers. So, you can expect to get all the concrete blocks, walling and roofing, commercial hard landscaping, garden and driveway paving you need from us.

MASTERBLOCK THE CONCRETE BLOCK RANGE THAT ANSWERS TO ALL YOUR BUILDING NEEDS.

Our Masterblock concrete blocks offer the industry complete solutions for both commercial and residential projects. Manufactured in a wide range of sizes, strengths and finishes that offer total flexibility with availability nationwide. All your concrete block solutions are only a Masterblock away.

BRADSTONE LANDSCAPING THE GARDEN AND DRIVEWAY PAVING THAT OFFERS TRANSFORMATIONAL RESULTS

We provide products for a variety of projects, from paving and block paving to walling and edging. We also have an extensive range of materials available for different aesthetic requirements, including porcelain, concrete and natural stone. Helping homeowners and landscapers to find the one that's perfect to transform their outdoor space.

CHARCON THE COMMERCIAL HARD LANDSCAPING SOLUTION THAT YOU CAN RELY ON.

Our Charcon product range provides all the necessary materials to furnish a hard landscaping scheme with flag paving, block paving, kerbing and drainage solutions. From large public realm projects to educational and health facilities, we're your reliable supply partner from concept to completion.

BRADSTONE ROOFING AND WALLING THE FIRST CHOICE FOR YOUR ROOFING AND WALLING REQUIREMENTS

Using locally sourced materials, we provide a range of the most authentic reconstructed concrete roofing and walling products possible, all of which are manufactured here in the UK. The range includes a full suite of accessories to complement the roofing slates and walling blocks, and the entire range complies with modern construction practice.

SALES OFFICE

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Aggregate Industries UK Ltd pursues a policy of continuous product improvement and accordingly reserves the right to vary designs and specifications without notice.